

WHAT IS CLAIMED IS:

1. A golf putt measuring device comprising:

a body having a first side and a second side;

said body having a top side and a bottom side wherein the bottom side is placed on

5 a generally flat surface;

a microprocessor controlled processing means to measure speed and distance of a golf

ball;

emitters and detectors placed inside the body of the device to detect an object as it

passes in front of the emitters and detectors;

10 a power means for powering the golf putt measuring device

a display means on the top side of the body.

2. The golf putt measuring device of Claim 1, wherein the emitters and detectors are infrared emitters and infrared detectors.

3. The golf putt measuring device of Claim 1 wherein a plurality of emitters and detectors
15 are used to measure the speed of a golf ball as the ball passes in front of the emitters and detectors.

4. The golf putt measuring device of Claim 1 wherein the emitters and detectors are spaced apart from the plurality of other emitters and detectors and further wherein the emitters and detectors are placed at lease one half inch off the bottom of the golf putt measuring device.
5. The golf putt measuring device of Claim 1 wherein the infrared emitters are pulsed using a specific pulse width and as an object passes in front of at least one of the emitters, the infrared signal is reflected back to a detector.
6. The golf putt measuring device of Claim 1 further comprising:
a microprocessor controlled counter that runs until a ball passes by a plurality of emitters and detectors.
7. The golf putt measuring device of Claim 1 further comprising:
a counter that converts the data received from the emitters and detectors and displays a power rating value relating to the speed of the ball wherein the power rating is displayed on the display means.
8. The golf putt measuring device of Claim 1 further comprising:
a battery voltage monitor such that when the voltage of the power supply changes, the pulse width of the emitters also change to improve performance of the emitters such that

when power supply is low, the emitters and detectors will work at a different pulse width for peak efficiency.

9. The golf putt measuring device of Claim 1 further comprising:

an audio feedback means to provide audio feedback to a user of the device.

5 10. The golf putt measuring device of Claim 1 further comprising:

software to program the device with multiple modes including game mode and training mode.

11. The golf putt measuring device of Claim 1 further comprising:

10 an on/off button that resets the microprocessor allowing the microprocessor to turn itself off or on.

12. A method for using a golf putting device, the method comprising the steps of:

providing a golf measuring device having a body with a first side and a second side wherein the body has a top side and a bottom side;

providing a display means on the top side of the device;

15 providing a plurality of emitters and detectors within the body of the device wherein the emitters and detectors can sense movement;

providing a power source to power the device;

providing a microprocessor to manage the emitters and detectors, collect data from the emitters and detectors and display information collected on the display mean; and turning the device on or off.

5 13. The method of Claim 12 further comprising the step of:

allowing a user to putt a golf ball in front of the device wherein the emitters emit a infrared pulse that bounces off the ball and back to the detectors.

14. The method of Claim 12 further comprising the step of:

10 providing software run by the microprocessor wherein the software allows the user to manipulate the device for training purpose or for game purposes.

15. The method of Claim 12 further comprising the step of:

providing and audio feedback mechanism to inform the user by audio cue of the putting result.

16. The method of Claim 12 further comprising the step of:

15 putting a golf ball in front of the device wherein the golf ball travels from one side of the device to the second side of the device.

17. The method of Claim 12 further comprising the step of:

emitting an infrared signal from the emitters to be ricocheted off the ball as it travels past the emitter and collecting the signal by using the detectors.

18. The method of Claim 12 further comprising the step of:

5 processing the data received from the detectors.

19. The method of Claim 12 further comprising the step of:

converting the data received from the detectors into a power rating value that relates to the speed and distance the ball travels.

20. The method of Claim 12 further comprising the step of:

10 displaying the results of the collected data on the display means.